

Figure 1 consists of 15 subplots (a-o) showing the time course of various physiological and behavioral parameters during a 10-minute period. The x-axis for all plots is 'Time (min)' from 0 to 10. The y-axes represent different parameters: (a) HR (b/min), (b) RR (1/min), (c) SpO₂ (%), (d) P (mmHg), (e) MAP (mmHg), (f) SV (ml), (g) CO (l/min), (h) SVI (ml/m²), (i) COI (l/min/m²), (j) SVR (dyne/cm²), (k) COVR (l/min/cm²), (l) SVR (dyne/cm²), (m) COVR (l/min/cm²), (n) SVR (dyne/cm²), (o) COVR (l/min/cm²). The plots show various trends such as increases, decreases, and stability over time.

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UTILITY PATENT APPLICATION TRANSMITTAL

Submit an original and a duplicate for fee processing
(Only for new nonprovisional applications under 37 CFR 1.53(b))

ADDRESS TO:

**Commissioner for Patents
Box Patent Application
Washington, D.C. 20231**

Attorney Docket No. 00-713-i13

First Named Inventor Mirkin

Express Mail No. EL603709869US

APPLICATION ELEMENTS

1. ☒ Transmittal Form with Fee
2. ☒ Specification (including claims and abstract) [Total Pages 230]
3. ☒ Drawings [Total Sheets 46]
4. ☒ Oath or Declaration [Total Pages 3]
 - a. ☐ Newly executed
 - b. ☒ Copy from prior application

[Note Boxes 5 and 18 below]

 - i. ☐ Deletion of Inventor(s) Signed statement attached deleting inventor(s) named in the prior application
5. ☒ Incorporation by Reference: The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ Computer Code Listing (See 1.96)
 - a. ☐ Microfiche Appendix
 - b. ☐ CD-Rom (in duplicate, with separate transmittal)
7. ☒ Nucleotide and/or Amino Acid Sequence Submission
 - a. ☐ Computer Readable Copy
 - b. ☒ Paper Copy
 - c. ☐ Statement verifying above copies
8. ☒ Small Entity Status
 - ☐ is claimed
 - ☒ Statement filed in prior application; status still proper and desired
 - ☐ is no longer claimed.

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers
10. ☒ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)
☐ PTO-1449 Form
☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
16. ☐ A Request for non-publication pursuant to
35 USC 122(b)(2)(B)(i)
17. ☒ Other: Application Data Sheet

18. ☒ This is a CONTINUING APPLICATION. Please note the following:
- a. ☒ This is a ☒ Continuation ☐ Divisional ☐ Continuation-in-part of prior application 09/603,830, filed June 26, 2000.
 - b. ☒ Cancel in this application original claims 1-154, 156-169, and 171-432 of the prior application before calculating the filing fee. (The remaining claims, to be prosecuted in this application, are 155 and 170.)
 - c. ☒ Amend the specification by inserting before the first line the sentence:
This is a ☒ continuation ☐ divisional ☐ continuation-in-part of application Serial No. 09/603,830, filed June 26, 2000.
 - d. ☒ The prior application is assigned of record to Nanosphere, Inc.


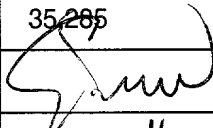
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10/11/01

UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No. 00-713-i13

APPLICATION FEES				
BASIC FEE				\$ 740.00
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total Claims	2 -20=	0	x \$18.00	
Independent Claims	2 - 3=	0	x \$84.00	
<input type="checkbox"/> Multiple Dependent Claims(s) if applicable			+ \$280.00	
Total of above calculations =				\$740.00
Reduction by 50% for filing by small entity =				\$(370.00)
<input type="checkbox"/> Assignment fee if applicable			+ \$40.00	\$
TOTAL =				\$ 370.00
19. <input type="checkbox"/> Please charge my Deposit Account No. 13-2490 in the amount of \$				
20. <input checked="" type="checkbox"/> A check in the amount of \$370.00 is enclosed.				
21. The Commissioner is hereby authorized to credit overpayments or charge any additional fees of the following types to Deposit Account No. 13-2490:				
a. <input checked="" type="checkbox"/> Fees required under 37 CFR 1.16.				
b. <input checked="" type="checkbox"/> Fees required under 37 CFR 1.17.				
c. <input checked="" type="checkbox"/> Fees required under 37 CFR 1.18.				
22. The Commissioner is hereby generally authorized under 37 CFR 1.136(a)(3) to treat any future reply in this or any related application filed pursuant to 37 CFR 1.53 requiring an extension of time as incorporating a request therefor, and the Commissioner is hereby specifically authorized to charge Deposit Account No. 13-2490 for any fee that may be due in connection with such a request for an extension of time.				
23. CERTIFICATE OF MAILING				
I hereby certify that, under 37 CFR § 1.10, I directed that the correspondence identified above be deposited with the United States Postal Service as "Express Mail Post Office to Addressee," addressed to the Commissioner for Patents, Box Patent Application, Washington, DC 20231, on the date indicated below.				
24. USPTO CUSTOMER NUMBER				
 20306 PATENT TRADEMARK OFFICE McDonnell Boehnen Hulbert & Berghoff				
25. SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED				
Name	Emily Miao			
Reg. No.	35,285			
Signature				
Date	October 11, 2001			

UTIL (Rev. 11/21/00)